1. PROJECT NAME: Bossert Manufacturing, Inc. Site
1002 Oswego Street
Utica, Oneida County, New York

2. PROJECT REQUESTED BY: Joseph Rotola, OSC
Response and Prevention Branch
U.S. EPA, Region II
Edison, New Jersey

3. DATE REQUESTED: May 11, 1987

4. DATE OF PROJECT INITIATION: Week of May 3, 1987

5. PROJECT OFFICER: Gerard Maresca

6. QUALITY ASSURANCE OFFICER: Cymantha Diaz

7. PROJECT DESCRIPTION:

A. Objective and Scope:

The objective of the sampling project at the Bossert Manufacturing facility is to determine the extent of contamination to the floors inside the building from Polychlorinated Biphenyls (PCBs). During salvage operations machinery drainage emptied onto the floor. The leaky roofs have caused some open sumps to fill with rainwater and overflow with the oils onto the floor. Other locations appear to be oil-contaminated from improper drum storage or from vandalism to the drums. The potential for contamination and a serious health risk is very high.

Samples will be collected throughout the building. Air monitoring will be conducted during sampling activities.

B. Data Usage:

Laboratory results of samples collected will be used to indicate the extent of contamination on the floors inside the building. Analytical data will help in evaluating whether it is necessary to remove the wooden brick floors.

C. Air Monitoring:

Air monitoring will be conducted using a photoionization detector (HNU) and an explosimeter/oxygen meter. Monitoring will be conducted per the Standard Operating Procedures (SOP's) established for each of the instruments and collected per the procedures set forth in Section 11 of this plan.

D. Floor Sampling:

Floor samples will be collected from ten (10) locations within sixteen (16) sample cells (Figure 1). One background sample will be collected off site. Samples will be collected following procedures set forth in Section 11 of this plan.

E. Parameter Tables:

Parameter	Number of Samples	Sample Matrix	Analytical Method Reference	Sample Preser-vation	Holding Time
PCB	17	soil			

8. PROJECT FISCAL INFORMATION:

Sampling equipment and manpower shall be provided by the Technical Assistance Team (TAT) and U.S. EPA. Analysis of the collected samples for PCB concentrations will be performed by Syracuse Research Laboratory in Syracuse, New York. EPA has requested quick turnaround time on the sample results.

No additional costs are anticipated at this time.

9. PROJECT ORGANIZATION AND RESPONSIBILITY:

The following is a list of key project personnel and their corresponding responsibilities:

Joseph Rotola, U.S. EPA	EPA On-Scene Coordinator
Gerard Maresca, TAT	TAT Project Manager
Donald Graham, TAT	Sampling Operation
Cymantha Diaz, TAT	Quality Assurance Officer

10. DATA QUALITY REQUIREMENTS AND ASSESSMENTS:

Parameter	Sample Matrix	Detect Limit	Estimated Accuracy	Estimated Precision
PCB	soil	2 ppm		

11. SAMPLING AND ANALYSIS PROCEDURES:

The Bossert Manufacturing Corp. building was divided into sixteen (16) sample cells, with one cell located under the front overhang. Samples will be collected from each of the cells in a random composite format. One duplicate sample will be collected from one of the cells for quality assurance and control data. One background sample will also be collected off site for baseline values of contaminants. Therefore a total of eighteen (18) samples will be collected during the floor sampling operation.

Samples will be collected using a paint scraper to remove the soil from the floor. A clean paint scraper will be used within each sample cell to eliminate cross contamination of the samples. Ten (10) samples be taken within each cell to comprise each of the sixteen (16) composites. Wide-mouth, 16 ounce glass containers will be used to collect samples. Containers will be labelled, placed in coolers and packed with sorbent diapers for storage and delivery to the lab.

The eighteen (18) samples will be delivered to Syracuse Research Laboratories in Syracuse, New York for PCB analysis on the same date as collection.

12. SAMPLE CUSTODY PROCEDURES:

EPA chain-of-custody will be maintained throughout the sampling program as per TAT Standard Operating Procedures (SOP) on sample handling, sample container contract specifications and EPA Laboratories SOP. The chain-of-custody form to be used list the following information:

i. Sample number.
ii. Number of sample containers.
iii. Description of samples including specific location of sample collection.
iv. Identity of person collecting sample.
v. Date and time of custody transfer to laboratory (if the sample was collected by a person other than laboratory personnel).
vi. Identity of person accepting custody (if the sample was collected by a person other than laboratory personnel).
vii. Identity of laboratory performing the analysis.

13. DOCUMENTATION, DATA REDUCTION AND REPORTING:

Documentation: Field data will be recorded in a bound note book. Field notes, Chain-of-Custody forms, and laboratory analysis reports will be filed and storedper the TAT Document Control System.

14. QUALITY ASSURANCE AND DATA REPORTING:

Project and Quality Assurance Officers will be responsible for accurate reporting of data emanating from the sampling report.

15. DATA VALIDATION:

All steps of data generation and handling will be evaluated by the On-Scene Coordinator, the Project Officer and the Quality Assurance Officer for compliance with EPA Region II SOP for validating hazardous waste site data.

16. SYSTEM AUDIT:

The QA/QC Officer will observe the sampling operations and review subsequent analytical data to assure that the QA/QC project plan has been adhered to.

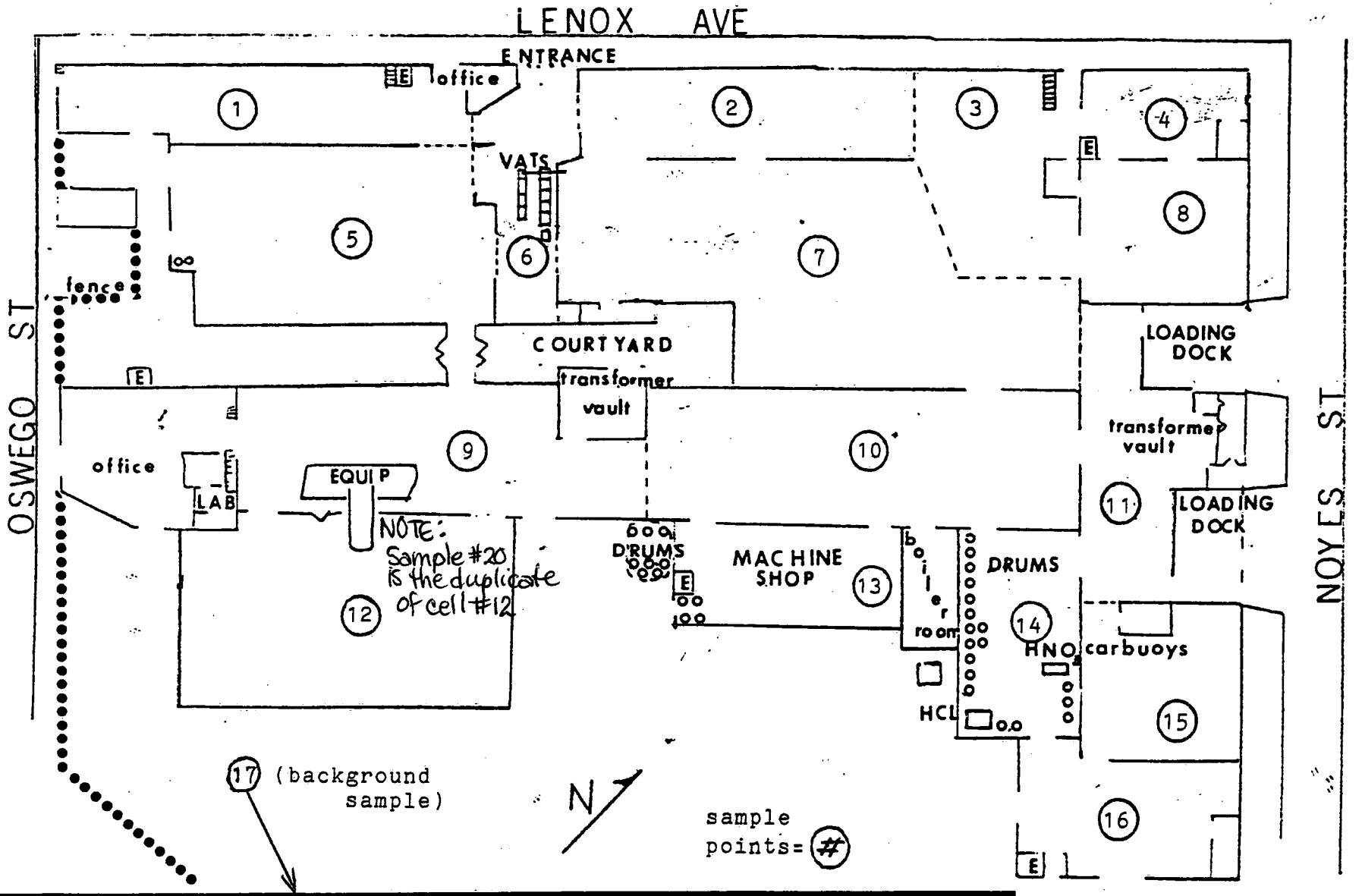
17. CORRECTIVE ACTION:

All provisions in the field and laboratory will be taken to ensure that any problems that may develop will be dealt with as quickly as possible to ensure the continuity of the sampling program. Any deviations from this sampling plan will noted in the final report.

18. REPORTS:

Draft reports will be issued 14 days after receipt of laboratory results. Final reports will be issued 7 days after return of draft report by the EPA's Project Manager.

BOSSERT MFG.



WESTON DESIGN CONSULTANTS — SPILL PREVENTION & EMERGENCY RESPONSE DIVISION	EPA PM: ROTOLA	FIGURE 1.
In association with ICF, Inc., Jacobs Engineering, Inc., & Tetra Tech, Inc.	TAT PM: MARESCA	Sampling Plan for Floors